

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>PC25246A</b>	<b>FOR FURTHER ACTION</b> <small>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, Item 5 below.</small>	
International application No. <b>PCT/ IB 03/ 03633</b>	International filing date (day/month/year) <b>14/08/2003</b>	(Earliest) Priority Date (day/month/year) <b>26/08/2002</b>
Applicant <b>PFIZER PRODUCTS INC.</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
  - the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing :
  - contained in the international application in written form.
  - filed together with the international application in computer readable form.
  - furnished subsequently to this Authority in written form.
  - furnished subsequently to this Authority in computer readable form.
  - the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
  - the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2.  Certain claims were found unsearchable (See Box I).

3.  Unity of invention is lacking (see Box II).

## 4. With regard to the title,

- the text is approved as submitted by the applicant.
- the text has been established by this Authority to read as follows:

VACCINE FOR RESPIRATORY AND REPRODUCTIVE SYSTEM INFECTIONS IN CATTLE

## 5. With regard to the abstract,

- the text is approved as submitted by the applicant.
- the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

## 6. The figure of the drawings to be published with the abstract is Figure No. \_\_\_\_\_

- as suggested by the applicant.
- because the applicant failed to suggest a figure.
- because this figure better characterizes the invention.

None of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB 03/03633

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61K39/295 A61K39/12 A61K39/155 A61K39/02 A61K39/265

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61K C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	TALENS L T ET AL: "EFFICACY OF VIRAL COMPONENTS OF A NONABORTIGENIC COMBINATION VACCINE FOR PREVENTION OF RESPIRATORY AND REPRODUCTIVE SYSTEM DISEASES IN CATTLE" JOURNAL OF THE AMERICAN VETERINARY MEDICAL ASSOCIATION, XX, XX, vol. 194, no. 9, 1 May 1989 (1989-05-01), pages 1273-1280, XP000568596 ISSN: 0003-1488 the whole document	1,2,4-12
Y		3,13 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*A\* document member of the same patent family

Date of the actual compilation of the international search	Date of mailing of the international search report
18 November 2003	03/12/2003
Name and mailing address of the ISA European Patent Office, P.O. 5810 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016	Authorized officer  Brouns, G

## INTERNATIONAL SEARCH REPORT

International Application No PCT/IB 03/03633
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CORTESE V S ET AL: "BVD VIRUS TRANSMISSION FOLLOWING ATTENUATED VACCINES TO BVDV SERONEGATIVE CATTLE" LARGE ANIMAL PRACTICE, VETERINARY PRACTICE PUBL., IRVINE, CA, US, vol. 1B, no. 5, September 1997 (1997-09), pages 18-20, 22-24, XP001037197 ISSN: 1092-7603 page 19, column 1; tables 1-3	1,2,4-12
Y	ANONYMOUS: "Invest early in CattleMaster 4 vaccine to get the highest rate of return" INTERNET ARTICLE, 'Online! 14 August 2002 (2002-08-14), pages 1-2, XP002261912 Retrieved from the Internet: <URL: <a href="http://www.pfizer.com/ah/livestock/bef/11_beef.html">http://www.pfizer.com/ah/livestock/bef/11_beef.html</a> > 'retrieved on 2003-11-18! the whole document	3,13
X	FULTON R W ET AL: "Antibody responses by cattle after vaccination with commercial viral vaccines containing bovine herpesvirus-1, bovine viral diarrhea virus, parainfluenza-3 virus, and bovine respiratory syncytial virus immunogens and subsequent revaccination at day 140" VACCINE, BUTTERWORTH SCIENTIFIC. GUILDFORD, GB, vol. 13, no. 8, 1 June 1995 (1995-06-01), pages 725-733, XP004057520 ISSN: 0264-410X tables 1-6	1,2, 4-10,12
X	US 3 634 587 A (AMENT ROLAND W ET AL) 11 January 1972 (1972-01-11) table XII	11
Y	FULTON R W ET AL: "Bovine viral diarrhea virus types 1 and 2 antibody response in calves receiving modified live virus or inactivated vaccines" VACCINE, BUTTERWORTH SCIENTIFIC. GUILDFORD, GB, vol. 19, no. 2-3, 15 September 2000 (2000-09-15), pages 264-274, XP004228836 ISSN: 0264-410X tables 1,4,5 page 269	13

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/IB 03/03633

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 3634587	A 11-01-1972 CA	950827 A1	09-07-1974